



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/560,273
Filing Date	12/08/05
First Named Inventor	Norris
Art Unit	
Examiner Name	
Attorney Docket Number	21902.PROV.PCT.US (new # 00025-22010)

Sheet		of	
NEW			

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/GM/	1	2002/0101360	08/01/02	Schrage	
	2	2001/0007591	07/12/01	Pompei	
	3	1,616,639	02/08/27	C.A. Sprague	
	4	1,951,669	Mar 20, 1934	Ramsey	
	5	2,461,344	02/1949	Olson	
	6	3,012,222	12/1961	Hagemann	
	7	3,398,810	08/1968	Clark, III	
	8	3,461,421	08/1969	Stover	
	9	3,612,211	10/12/71	William T. Clark, III	
	10	3,613,069	10/1971	Cary et al.	
	11	3,641,421	02/1972	Stover	
	12	3,710,332	01/1973	Tischner et al.	
	13	3,723,957	03/1973	Damon	
	14	3,742,433	06/1973	Kay et al.	
	15	3,836,951	09/1974	Geren et al.	
	16	3,908,098	09/1975	Kawakami et al.	
	17	3,961,291	06/1976	Harper et al.	
	18	4,005,278	01/25/74	Gorike	
	19	4,015,089	Mar 29, 1977	Ishii, et al.	
	20	4,207,571	06/1980	Passey	
	21	4,245,136	01/1981	Krauel, Jr.	
	22	4,265,122	05/1981	Cook et al.	
	23	4,378,596	03/1983	Clark	
	24	4,418,248	11/29/83	Mathis	
	25	4,418,404	11/1983	Gordon et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² - Number ³ - Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
/GM/	26	WO 01/08449	02/01/01	PCT		
/GM/	27	EP 0 973 152	01/19/00	Massachusetts Institute of Technology		
/GM/	28	WO 01/33902	05/10/01	ATC		
Examiner Signature	/George Monikang/			Date Considered	05/11/2007	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
		Application Number	10/560,273
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	12/08/05
		First Named Inventor	Norris
		Art Unit	
		Examiner Name	
Sheet	of	Attorney Docket Number	21902.PROV.PCT.US (new # 00025-22010)
NEW			

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/GM/	29	4,429,193	01/1984	Busch-Vishniac et al.	
	30	4,429,194	01/31/84	Kamon et al.	
	31	4,432,079	02/1984	Mackelburg et al.	
	32	4,433,750	02/28/84	Neese	
	33	4,439,642	03/1984	Reynard	
	34	4,558,184	12/1985	Busch-Vishniac et al.	
	35	4,593,160	06/1986	Nakamura	
	36	4,809,355	02/1989	Drefahl	
	37	4,823,908	04/25/89	Tanaka, et al.	
	38	4,908,805	03/1990	Sprenkels et al.	
	39	4,991,148	02/1991	Gilchrist	
	40	5,181,301	01/1993	Wheeler	
	41	5,287,331	02/1994	Schindel	
	42	5,317,543	05/1994	Grosch	
	43	5,357,578	10/1994	Shinnosuke	
	44	5,357,578	10/1994	Taniishi	
	45	5,539,705	07/1996	Akerman et al.	
	46	5,662,190	09/02/97	Abe	
	47	5,767,609	Jun 16, 1998	Suganuma	
	48	5,844,998	12/01/98	Nageno	
	49	5,889,870	03/30/99	Norris	
	50	5,892,315	04/06/99	Gipson et al.	
	51	6,044,160	03/28/00	Norris	
	52	6,229,899	05/08/01	Norris et al.	
	53	6,556,687	Apr 29, 2003	Manabe	
	54	6,666,374	12/23/03	Green et al.	
	55	6,771,785	08/03/04	Pompei	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ – Kind Code ⁵ (if known)				
/GM/	56	JP60021695	02/1985	JP		
/GM/	57	JP2-265397	10/1990	JP		
Examiner Signature	/George Monikang/			Date Considered	05/11/2007	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/560,273		
		Filing Date	12/08/05		
		First Named Inventor	Norris		
		Art Unit			
Examiner Name					
Sheet		of		Attorney Docket Number	00025-22010 (old # 21902.PROV.PCT.US)

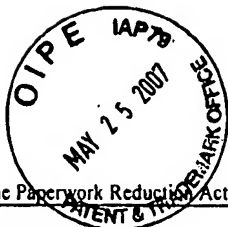
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/GM/	1	YONEYAMA M. ET AL., "The audio spotlight: An application of nonlinear interaction of sound waves to a new type of loudspeaker design" J. Acoust. Soc. Am. 73 (5), May 1983, pp 1532-1536.	
	2	Ultrasonic Ranging System--Polaroid.	
	3	HELMHOLTZ (Excerpts from On Combination Tones)--Editor's Comments on Paper 16.	
	4	AOKI, K., ET AL., "Parametric Loudspeaker--Characteristics of Acoustic Field and Suitable Modulation of Carrier Ultrasound," Electronics and Communications in Japan, Part 3, vol. 74, No. 9, pp. 76-82 (1991).	
	5	MAKAROV, S.N., ET AL., "Parametric Acoustic Nondirectional Radiator," Acustica, vol. 77 (1992).	
	6	WESTERVELT, P.J., "Parametric Acoustic Array," The Journal of the Acoustical Society of America, vol. 35, No. 4, pp. -(1963).	
↓	7	H. O. BERKTAY, T.G. MUIR "Arrays of Parametric Receiving Arrays" The Journal of the Acoustical society of America, pp. 1377-1383.	

Examiner Signature	/George Monikang/	Date Considered	05/11/2007
--------------------	-------------------	-----------------	------------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/560,273
Filing Date	12/08/05
First Named Inventor	Norris
Art Unit	
Examiner Name	
Attorney Docket Number	00025-21902.PROV.PCT.US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/GM/	1	1,764,008	6/17/30	Crozier	
	2	1,799,053	3/31/31	Mache	
	3	1,809,754	6/9/31	Steedle	
	4	1,983,377	12/4/34	Kellogg	
	5	2,855,467	10/7/58	Curry	
	6	2,872,532	2/3/59	Buchmann et al	
	7	2,935,575	5/3/60	Bobb	
	8	2,975,243	3/14/61	Katella	
	9	2,975,307	3/14/61	Schroeder et al	
	10	3,008,013	11/7/61	Williamson et al	
	11	3,136,867	6/9/64	Brettell	
	12	3,345,469	10/3/67	Rod	
	13	3,373,251	3/12/68	Seeler	
	14	3,389,226	6/18/68	Peabody	
	15	3,544,733	12/1/70	Reylek	
	16	3,654,403	4/4/72	Bobb, deceased	
	17	3,674,946	7/4/72	Winey	
	18	3,787,642	1/22/74	Young Jr.	
	19	3,821,490	6/28/74	Bobb	
	20	3,829,623	8/13/74	Willis et al	
	21	3,833,771	9/3/74	Collinson	
	22	3,892,927	7/1/75	Lindenberg	
	23	3,919,499	11/11/75	Winey	
	24	3,941,946	3/2/76	Kawakami et al	
	25	3,997,739	12/14/76	Kishikawa et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² - Number ³ - Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner Signature	/George Monikang/	Date Considered	10/17/2007
--------------------	-------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/560,273
Filing Date	12/08/05
First Named Inventor	Norris
Art Unit	
Examiner Name	
Attorney Docket Number	00025-21902.PROV.PCT.US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/GM/	26	4,056,742	11/1/77	Tibbetts	
	27	4,064,375	12/20/77	Russell et al	
	28	4,160,882	7/10/79	Driver	
	29	4,210,786	7/1/80	Winey	
	30	4,242,541	12/30/80	Ando	
	31	4,284,921	8/18/81	Lemonon et al	
	32	4,289,936	9/15/81	Civitello	
	33	4,295,214	10/13/81	Thompson	
	34	4,322,877	4/6/82	Taylor	
	35	4,385,210	5/24/83	Marquiss	
	36	4,419,545	12/6/83	Kuindersma	
	37	4,434,327	2/28/84	Busch-Vishniac et al	
	38	4,471,172	9/11/84	Winey	
	39	4,480,155	10/30/84	Winey	
	40	4,550,228	10/29/85	Walker et al	
	41	4,593,567	6/10/86	Isselstein et al	
	42	4,600,891	07/1986	Taylor, Jr. et al.	
	43	4,672,591	6/9/87	Breimesser et al	
	44	4,695,986	9/22/87	Hossack	
	45	4,751,419	6/14/88	Takahata	
	46	4,784,915	11/15/88	Sakagami et al.	
	47	4,803,733	2/7/89	Carver et al	
	48	4,837,838	6/6/89	Thigpen et al	
	49	4,885,781	12/5/89	Seidel	
	50	4,887,246	12/12/89	Hossack et al	
	51	4,888,086	12/19/89	Hossack et al	
	52	4,903,703	2/27/90	Igarashi et al	
	53	4,939,784	7/3/90	Bruney	
	54	5,054,081	10/1/91	West	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² - Number ³ - Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
Examiner Signature	/George Monikang/			Date Considered	10/17/2007	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known		
		Application Number	10/560,273	
		Filing Date	12/08/05	
		First Named Inventor	Norris	
		Art Unit		
Examiner Name				
Sheet		of	Attorney Docket Number	00025-21902.PROV.PCT.US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/GM/	55	5,095,509	03/1992	Volk	
	56	5,115,672	5/26/92	McShane et al	
	57	5,142,511	8/25/92	Kanai et al	
	58	5,153,859	10/6/92	Chatigny et al	
	59	5,392,358	2/21/95	Driver	
	60	5,430,805	7/4/95	Stevenson et al	
	61	5,487,114	1/23/96	Dinh	
	62	5,638,456	6/10/97	Conley et al	
	63	5,700,359	12/23/97	Bauer	
	64	5,745,582	04/1998	Shimpuku et al.	
	65	5,758,177	05/1998	Gulick et al.	
	66	5,859,915	1/12/99	Norris	
	67	5,885,129	3/23/99	Norris	
	68	5,982,805	11/09/99	Kaneda	
	69	6,011,855	1/4/00	Selfridge et al	
	70	6,108,427	8/22/00	Norris et al	
	71	6,064,259	05/2000	Takita	
	72	6,151,398	11/21/00	Norris	
	73	6,188,772	2/13/01	Norris et al	
	74	6,232,833	05/2001	Pullen	
	75	6,304,662	10/16/01	Norris et al	
	76	6,359,990	03/2002	Norris	
	77	6,378,010	04/2002	Burks	
	78	6,445,804	09/2002	Hirayanagi	
	79	6,768,376	07/2004	Hoyt et al.	
	80	6,859,096	02/2005	Tanaka et al.	
	81	1,643,791	04/1924	Stepian	
	82	3,012,107	12/1961	Hanlet	
	83	5,748,758	05/1998	Menasco, Jr. et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² - Number ³ - Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
Examiner Signature	/George Monikang/			Date Considered	10/17/2007	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known	
			Application Number	10/560,273
			Filing Date	12/08/05
			First Named Inventor	Norris
			Art Unit	
			Examiner Name	
Sheet		of	Attorney Docket Number	00025-21902.PROV.PCT.US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TGM	84	6,104,825	08/15/00	Thigpen	
↓	85	6,108,433	08/22/00	Norris	
	86	2002/0191808	12/19/02	Croft III. et al.	
	87	6,584,205	06/24/03	Croft III	
	88	6,577,738	06/10/03	Norris et al.	
	89	4,994,687	02/12/91	Oyaba et al.	
	90	5,052,336	04/18/00	Lowrey, III	
	91	4,166,197	08/28/79	Moog, et al.	
	92	3,825,834	07/23/74	Stuart et al.	

[illegible]

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet		of		Application Number	10/560,273
				Filing Date	7/13/2006
				First Named Inventor	NORRIS, ELWOOD G.
				Art Unit	
				Examiner Name	
				Attorney Docket Number	00025-21902.PROV.PCT.US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/GM/	1	CRANDALL, I.B. "The Air-Damped Vibrating System: Theoretical Calibration of the Condenser Transmitter, American Physical Society, Dec. 28, 1917, pages 449-460	
/GM/	2	Wagner, Ronald, "ELECTROSTATIC LOUDSPEAKER DESIGN AND CONSTRUCTION", Chapters 4 and 5, pages 59-91, Audio Amateur Press Publishers, 1993	
/GM/	3	Berklay, H.O., "POSSIBLE EXPLOITATION OF NON-LINEAR ACOUSTICS IN UNDERWATER TRANSMITTING APPLICATIONS", Department of Electronic and Electrical Engineering University of Birmingham, Edgbaston, Birmingham 15, England (Received April 13, 1965)	
/GM/	4	PIWNICKI, KONRAD, "Modulation Methods Related to Sine-Wave Crossings" IEEE Transactions on Communications, 1983, pgs. 503-508, Vol. COM-31, No. 4	
/GM/	5	MARVASTI, FAROKH, "Modulation Methods Related to Sine Wave Crossings" IEEE Transactions on Communications, 1985, pgs. 177-178, Vol. COM-33, No 2	
/GM/	6	POMPEI, "The Use of Airborne Ultrasonics for Generating Audible Sound Beams", Presented at the 105th Convention 1998 September 26-29.	
/GM/	7	MOFFETT et al. "Model for parametric acoustic sources." J. Acoust. Soc. Am., Feb 1977, pgs. 325-337, Vol. 61. No. 2	
/GM/	8	KAMAKURA, et al.; Suitable Modulation of the Carrier Ultrasound for Parametric Loudspeaker; Acustica Vol. 73 (1991)	
/GM/	9	BERKTAY, et al.; Nearfield effects in end-fire line arrays; The Journal of the Acoustical Society of America; 1973; pgs. 550-556	
/GM/	10	KAMAKURA et al. "Developments of Parametric Loudspeaker for Practical Use." 10th International Symposium on Nonlinear Acoustics, 1984, pages 147-150.	

Examiner Signature	/George Monikang/	Date Considered	10/17/2007
--------------------	-------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/560,273
Filing Date	7/13/2006
First Named Inventor	NORRIS, ELWOOD G.
Art Unit	
Examiner Name	
Attorney Docket Number	00025-21902.PROV.PCT.US

Sheet

of

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/GM/	11	MUIR, et al.; Parametric Acoustic Transmitting Arrays; The Journal of the Acoustical Society of America; 1972; pgs. 1481 – 1485	
/GM/	12	BERKTAY, Possible Exploitation of Non-Linear Acoustics in Underwater Transmitting Applications; J. Sound Vib. 1965; pgs. 435-461	
/GM/	13	KITE et al. "Parametric Array in Air: Distortion Reduction by Preprocessing," Applied Research Laboratories, University of Texas, 2 pages.	
/GM/	14	KITE et al. "Parametric Array in Air: Distortion Reduction by Preprocessing," Applied Research Laboratories, University of Texas, 11 pages.	
/GM/	15	WILLETTE et al. "Harmonics of the difference frequency in saturation-limited parametric sources." J. Acoust. Soc. Am., Dec. 1977, pgs. 1377-1381, Vol. 62, No. 6	

Examiner Signature	/George Monikang/	Date Considered	10/17/2007
--------------------	-------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.